

Electronic Acknowledgement Receipt

EFS ID:	1999404
Application Number:	10773054
International Application Number:	
Confirmation Number:	5481
Title of Invention:	Reliable multicarrier communication in the presence of timing phase error
First Named Inventor/Applicant Name:	Hossein Sedarat
Customer Number:	8791
Filer:	Thomas Ferrill/Deborah McGovern
Filer Authorized By:	Thomas Ferrill
Attorney Docket Number:	6491P076
Receipt Date:	23-JUL-2007
Filing Date:	04-FEB-2004
Time Stamp:	17:09:21
Application Type:	Utility under 35 USC 111(a)

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Payment was successfully received in RAM	\$180
RAM confirmation Number	2297
Deposit Account	022666

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 Charge any Additional Fees required under 37 C.F.R. Section 1.16 and 1.17

File Listing:

Document Number	Document Description	File Name	File Size(Bytes) /Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Filed	P076_IDS_Statement_7_23_07.pdf	13684 a471d9d50515fe15595c2153c7adf10c029aa119	no	2
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
2	NPL Documents	SEDARAT_Inpulse_Noise_Protection_NPL.pdf	110285 03bb770834586d86ab9db88bcc4bb828375c02c0	no	4
Warnings:					
Information:					
3	NPL Documents	SEDARAT_Multicarrier_Bit_Loading_NPL.pdf	254787 06d75c42a1a50dc581c995ef2a8857ff4178f52	no	5
Warnings:					
Information:					
4	NPL Documents	FISCHER_A_New_Loading_Algorithm_NPL.pdf	238740 ea88dd695d28a00f98ad35c78c77cf6630bb369f	no	5
Warnings:					
Information:					
5	NPL Documents	LAMPE_Performance_Evaluation_NPL.pdf	229051 a03ab9b2b3d61d56eb3e4c7199d099e8e518b551	no	8
Warnings:					
Information:					
6	NPL Documents	HENKEL_Maximizing_The_Channel_NPL.pdf	92408 1ea2be31148e4beaa0d156154d8abd5097b8d54	no	5
Warnings:					
Information:					
7	NPL Documents	LASHKARIAN_Fast_Algorithm_For_Finite_NPL.pdf	281564 b75b873b58232403a6c3854da631f041d43b0411	no	4
Warnings:					
Information:					
8	NPL Documents	MELSA_Impulse_Response_Shortening_NPL.pdf	982289 55c2480b8e0d6cf635ab35c25b9e05c97606576a	no	11
Warnings:					
Information:					

9	NPL Documents	AL_DHAHIR_Optimum_Finite_Length_NPL.pdf	860807 c33c29826300ef90d20668e753945400 58b6a7a4	no	9
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Warnings:

Information:

10	NPL Documents	LEKE_A_Maximum_Rate_Loading_NPL.pdf	423210 ba995e6fa3a0ed9336b2b8a1ab44e079 166e666e	no	5
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Warnings:

Information:

11	NPL Documents	BINGHAM_Multicarrier_Modulations_NPL.pdf	956948 5a87332a7adb0cf796c8dbbd96f975d5 cc0b5086	no	8
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Warnings:

Information:

12	NPL Documents	ARSLAN_Equalization_For_Discrete_NPL.pdf	256936 1ae1700f8f5c69089b5a107b4125cb62 d198deec	no	13
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Warnings:

Information:

13	NPL Documents	FARHANG_BOROUJENY_Design_Methods_NPL.pdf	170091 3c20a258aa62a1305c23a8e6d59b13e 10c3164c5	no	9
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Warnings:

Information:

14	NPL Documents	Draft_Standard_Network_and_Customer_NPL.pdf	2001914 fd2b8f75b5846ae5dc1ccb8f7683bc973 26c1725	no	270
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Warnings:

Information:

15	NPL Documents	MILOSEVIC_Simultaneous_Multichannel_Time_NPL.pdf	353741 f9cafe9e576b1b196a475b255e19c6fc2 565efd8	no	5
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Warnings:

Information:

16	NPL Documents	FUKUDA_A_Line_Terminating_LSI_NPL.pdf	585079 f2e21b21f1f13c39f41ea856760d23a81 0a6fbe	no	8
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Warnings:

Information:

17	NPL Documents	WU_A_Novel_Cost_Effective_NPL.pdf	292186 62541824028ae93506d5a0319a34f27c ba034f20	no	4
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Warnings:

Information:

18	NPL Documents	SONALKAR_Shannon_Capacity_Of_Frequency_NPL.pdf	442836 4d8a3f7407ad59028947a81313fa523fe 60b7b69	no	5
Warnings:					
Information:					
19	NPL Documents	WYGLINSKI_An_Efficient_Bit_Allocation_NPL.pdf	279693 51786814b0c8cf4a41c8609cc71a853b 39d69dd0	no	6
Warnings:					
Information:					
20	NPL Documents	PEREZ_ALVAREZ_A_Differential_Error_Reference_NPL.pdf	273186 150f88423352055e39c8636816aa3191 b3b22cb5	no	4
Warnings:					
Information:					
21	NPL Documents	AHMED_Optimal_Transmit_Spectra_NPL.pdf	294170 d57d29b5ec5f1bab07bac10152ab7e53 d9eda01d	no	5
Warnings:					
Information:					
22	NPL Documents	FRANKLIN_How_DSL_Works_NPL.pdf	475335 dd9be417a97274054a00b6de2b7a477 724e93390	no	6
Warnings:					
Information:					
23	Information Disclosure Statement (IDS) Filed	P076_SB08_7_23_07.pdf	78450 76d22ae667d847fe6be7e0cdf82f7c211 54ec652	no	3
Warnings:					
Information:					
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24	Fee Worksheet (PTO-06)	fee-info.pdf	8197 f15502c841f6c1fb849b3a4eada17be6e7 73555f5	no	2
Warnings:					
Information:					
Total Files Size (in bytes):				9955587	

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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.